

ABSTRACT

System and Method for Coding and Retrieval of a CAD Drawing from a Database

A method of coding a view in a CAD drawing comprises: identifying a feature of the view; extracting properties of the feature from the CAD drawing, the properties including vector properties associated with a graphic entity or group of entities which make up the feature; generating code bits representative of the extracted properties; adding the code bits to a view code for the view; and storing the view code.

A CAD drawing is selected for retrieval from a database of drawings by producing a CAD source drawing having a source view, coding the source view to produce a source code as described above, comparing the source code with stored view codes, calculating a similarity index for each stored view code and selecting the drawing for retrieval from the database on the basis of the similarity index.